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(71) Applicant: **CALGENE, INC.**
1910 Fifth Street Suite F.
Davis California 95616(US)

(72) Inventor: **Shewmaker, Christine K.**
1501 Cypress Lane
Davis, California 95616(US)
Inventor: **Kridl, Jean C.**
538 Reed Drive
Davis, California 95616(US)
Inventor: **Hiatt, William R.**
2760 Blackburn
Davis, California 95616(US)
Inventor: **Knauf, Vic**
2454 Elendll Lane
Davis, California 95616(US)

(74) Representative: **Harrison, David Christopher**
et al
MEWBURN ELLIS & CO 2/3 Cursitor Street
London EC4A 1BQ(GB)

(54) **Anti-sense regulation of gene expression in plant cells.**

(57) Regulation of expression of genes encoded for in plant cell genomes is achieved by integration of a gene under the transcriptional control of a promoter which is functional in the host and in which the transcribed strand of DNA is complementary to the strand of DNA that is transcribed from the endogenous gene(s) one wishes to regulate. The integrated gene, referred to as anti-sense, provides an RNA sequence capable of binding to naturally existing RNAs, exemplified by polygalacturonase, and inhibiting their expression, where the anti-sense sequence may bind to the coding, non-coding, or both, portions of the RNA. The anti-sense construction may be introduced into the plant cells in a variety of ways and be integrated into the plant genome for inducible or constitutive transcription of the anti-sense sequence. A wide variety of plant cell properties may be modified by employing this technique.

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The present search report has been drawn up for all claims			
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EPO FORM 1503 (11/87) (P0401)



DOCUMENTS CONSIDERED TO BE RELEVANT			
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DOCUMENTS CONSIDERED TO BE RELEVANT			
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